

SUBROUTINE TESTM

Description

This subroutine estimates missing data for the temperature stations with only maximum/minimum data and calls subroutine TMEANM to calculate 6-hour means for these data.

Calling Sequence

CALL TESTM (IARY, MIARY, NTOTM, IMONTH, IDAY, IYEAR, IPART, IFUT, IBLAST
MSNG, NSTA, IORD, IER)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IARY	I	I*2	MIARY	The IARY array
MIARY	I	I*4	1	Maximum length of the IARY array
NTOTM	I	I*4	1	Total number of temperature stations with positions in the maximum/minimum pointer and data arrays (may include deleted stations)
IMONTH	I	I*4	1	Month being processed
IDAY	I	I*4	1	Day being processed
IYEAR	I	I*4	1	Year being processed
IPART	I	I*4	1	Indicator for partial day: 0 = full day 1 = partial day
IFUT	I	I*4	1	Indicator for future day: 0 = regular day 1 = future day
IBLAST	I	I*4	1	Indicator for station blending: 0 = all stations were blended on the previous day 1 = one or more stations had data the previous day

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
MSNG	I	I*2	1	Value used to indicate missing data
NSTA	I	I*4	1	Number of stations in the temperature station order list
IORL	I	I*2	NSTA	Temperature station order list
IER	O	I*4	1	Error code: 0 = normal return 1 = error encountered